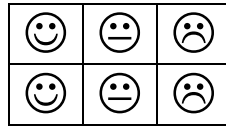


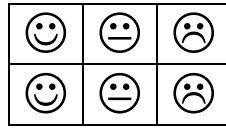
BRACKETS and EQUATIONS

A: I can multiply terms



$$8p \times 3p, (2a)^3, (-5x)^2$$

B: I can multiply a bracket by a variable



$$4(x+3), x(x+2), 3p(2p-1),$$

$$-7(2r-3), 8z(2xy+3x),$$

C: I can expand brackets and simplify



$$3(x+2) + 4(x-1)$$

$$x(x+2) + 5x - 7$$

$$-a(2a+1) - 3a^2 + 4a$$

D: I can multiply out pairs of brackets



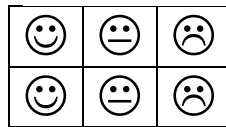
$$(x+2)(x+5)$$

$$(3x+1)(x+2)$$

$$(2x+3)(x-1)$$

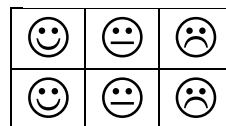
$$(4x-3)(3x-2)$$

E: I can square brackets



$$(x+2)^2, (x-3)^2, (2x+1)^2$$

F: I can apply the above to more complex expressions



$$5(x+2)(x+1)$$

$$2(x+3)^2, 3(a-b)(2a+b),$$

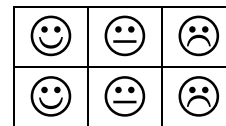
$$(5+w)(2w-3),$$

$$(x+2)(x+1)^2$$

$$(x+2)(2x^2+3x+5)$$

$$(x-3)(3x^2+x-4)$$

G: I can solve equations with brackets



$$(x+2)^2 = x^2 + 18$$

$$(x-1)^2 = (x+3)^2$$

H: I can solve problems using algebra



Form an equation to find the value of x .

